Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/19/2019 09:16 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	127014	1	1.29	127104	1.30
Blue	F	SSC	125000	124950	-1	1.54	125771	1.56
Blue	E	FITC	16122	15719	-3	2.64	343	19.68
Blue	D	PE	29316	28728	-3	1.84	626	14.75
Blue	B	PerCP-Cy5-5	42590	41714	-3	3.59	1125	19.83
Blue	A	PE-Cy7	33146	33383	0	6.01	638	40.24
Red	C	APC	45473	44614	-2	2.34	1583	11.80
Red	A	APC-Cy7	31961	30818	-4	2.28	812	11.83
Violet	B	V450	7914	7435	-7	4.84	416	13.70
Violet	A	V500	29769	28506	-5	4.63	662	10.83

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21841	3.51	609	9	N/A	N/A	Pass
Blue	F	SSC	56852	1.07	551	13	N/A	N/A	Pass
Blue	E	FITC	62	65.09	539	2	0.0214	192	Pass
Blue	D	PE	130	49.99	541	4	0.1623	274	Pass
Blue	B	PerCP-Cy5-5	206	50.15	644	6	0.0097	106	Pass
Blue	A	PE-Cy7	117	100.12	698	7	0.0112	14	Pass
Red	C	APC	378	24.95	582	3	0.0262	198	Pass
Red	A	APC-Cy7	180	28.66	558	2	0.0058	1112	Pass
Violet	B	V450	64	61.58	464	4	0.0486	2115	Pass
Violet	A	V500	99	32.29	477	5	0.0215	490	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.16	-31.84	0.99
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.52
Red	16.80	13.60 - 20.40	N/A	N/A	29.41	29.81	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9891

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments